

Converting Colors

CIELCh(77, 70.110, 50.621)

Have a look what the booklet for
CIELCh(77, 70.110, 50.621) contains.

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Color

CIELCh(73, 58.272, 56.287)

Conversions

Conversions Part 1

Format	Color
Hex	FF9A5B
RGB	255, 154, 91
RGB Percent	100%, 60%, 36%
CMY	0.0000, 0.3958, 0.6429
CMYK	0.00, 0.40, 0.64, 0.00
HSL	23°, 100%, 68%
HSV	23°, 64%, 100%
XYZ	54.7261, 45.1644, 15.7449
YIQ	177.0170, 80.4190, 1.8190

Conversions

Conversions Part 2

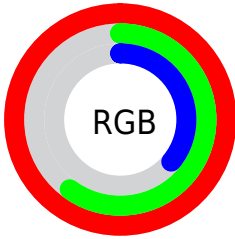
Format	Color
R _Y B	255, 193, 91
Decimal	16751195
CIE Lab	73.00, 32.34, 48.47
CIE LCh	73, 58.272, 56.287
Yxy	45.1644, 0.4733, 0.3906
Android (android.graphics.Color)	4294941275 (0xFFFF9A5B)
YUV	177.0170, -42.4064, 68.3911
Hunter-Lab	67.2044, 27.7487, 33.1524

Details

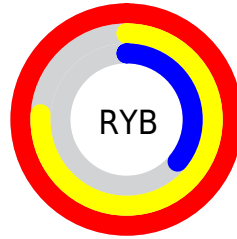
The CIELCh color **73, 58.272, 56.287** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **74, 41.150, 254.956**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **86, 39.558, 78.518**, and **53, 58.243, 56.591** is the 20% darker color. If you saturate the color by 10%, you get **69, 68.904, 55.490**, and if you desaturate by 10%, it is **77, 47.727, 57.077**.

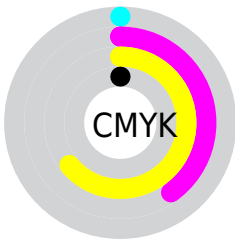
Distribution



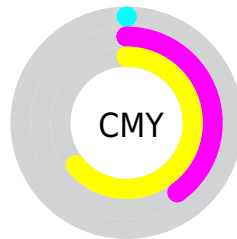
- Red (100%)
- Green (60%)
- Blue (36%)



- Red (100%)
- Yellow (76%)
- Blue (36%)



- Cyan (0%)
- Magenta (40%)
- Yellow (64%)
- Black (0%)



- Cyan (0%)
- Magenta (40%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 58.272, 56.287 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 73, 58.272, 56.287 by changing the saturation by 10% instead.

73, 58.272, 56.287

73, 58.272, 56.287

100, 58.272,
56.287

63, 58.272, 56.287

93, 58.272, 56.287

53, 58.272, 56.287

43, 58.272, 56.287

33, 58.272, 56.287

23, 58.272, 56.287

13, 58.272, 56.287

3, 58.272, 56.287

0, 58.272, 56.287

73, 58.272, 56.287

73, 58.272, 56.287

69, 68.904, 55.490

77, 47.727, 57.077

66, 79.010, 54.417

81, 37.670, 57.877

63, 87.247, 52.670

85, 28.186, 58.728

62, 90.877, 51.365

89, 19.297, 59.627

94, 10.978, 60.554

98, 3.186, 61.404

100, 0.012,
296.813

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



73, 58.272, 56.287



74, 41.150, 254.956

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73, 58.272, 56.287



73, 58.272, 106.287



73, 58.272, 236.287



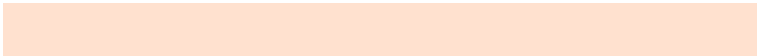
73, 58.272, 286.287

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



73, 58.242, 56.308



92, 14.829, 60.116



64, 74.210, 344.289



48, 10.304, 59.851



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



73, 58.242, 56.308



69, 71.742, 55.237



93, 70.693, 97.959



51, 4.300, 60.990



47, 72.765, 52.031



14, 27.598, 50.792

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



74, 41.150, 254.956



70, 47.395, 259.975



53, 83.057, 296.510



51, 4.130, 243.098



48, 46.077, 270.262



15, 19.396, 263.023

Previews

White Background



This preview shows how the CIELCh color 73, 58.272, 56.287 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 73, 58.272, 56.287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 73, 58.272, 56.287

Background



This preview shows how black text looks on a background with the CIELCh color 73, 58.272, 56.287.



This preview shows how white text looks on a background with the CIELCh color 73, 58.272, 56.287.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

73, 58.272, 56.287

Protanopia

73, 42.966, 96.159

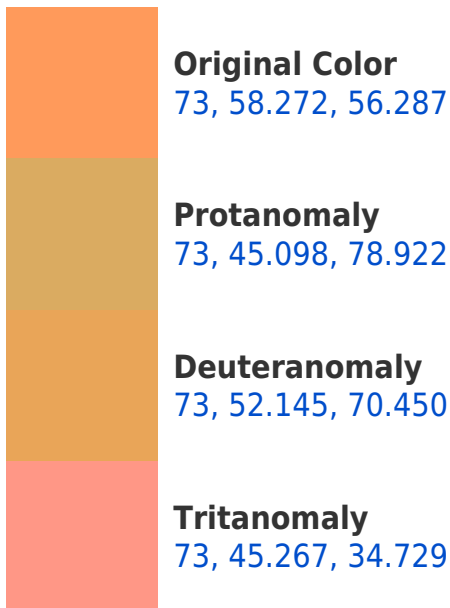
Deuteranopia

73, 50.318, 79.498

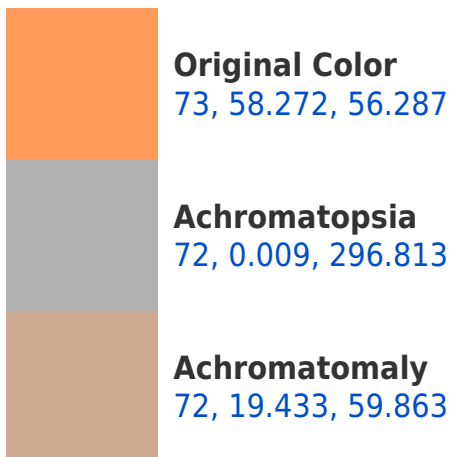


Tritanopia
73, 42.586, 16.604

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 58.272, 56.287 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 154, 91)` looks like.

```
.text, #text, p{  
    color:rgb(255, 154, 91)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 154, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 154, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 58.272, 56.287 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 154, 91) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(255, 154, 91) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 154, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 154, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 154, 91);  
box-shadow:4px 4px 4px 4px rgb(255, 154,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 58.272, 56.287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 154, 91) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
154, 91) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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